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1) Program to print "Hello World"

```
class hello_world
{
public static void main (String a [])
{
System. out. println (" Hello World");
}
}
```

Output:
Hello World

2) Program to print fibonacci series

```
class fibonacci
{ public static void main (String a [])
{ int n1 = 0 , n2 = 1 , n3;
System. out. println (n1 + " " + n2 + " ");
for ( int i = 2; i < = 10; i + +)
{ n3 = n1 + n2;
n1 = n2;
n2 = n3;
System. out. println (n3 + " ");
}}}
```

Output:
0 1 1 2 3 5 8 13 21 34 55

3) Prime or Not

```
class prime
{ public static void main (String a [])
{   int n = 5, d = 0;
    for ( int i = 1; i <= n; i++)
    {
        if (n % i == 0)
            d++;
    }
    if (d == 2)
        System . out . println ( "Prime");
    else
        System . out . println ( "Not prime");
}
}
```

Output :
Prime

4) Type of triangle

```
class triangle
{
    public static void main (String a [])
    {
        int n1 = 10, n2 = 20, n3 = 15;
        if (n1 == n2 && n1 == n3 && n2 == n3)
            System . out . println ("Equilateral");
```

```java
    else if (n1 == n2 || n1 == n3 || n2 == n3)
        System.out.println("Isosceles");
    else
        System.out.println("Scalene");
    }
}
```

Output:
Scalene

5) Simple interest

```java
class SI
{
    public static void main(String a[])
    {
        int p = 10000, t = 2, r = 8, si;
        si = (p * t * r) / 100;
        System.out.println("Simple interest = " + si);
    }
}
```

6) ~~Swap two numbers~~
Output:
Simple interest = 1600

5) Swap two numbers
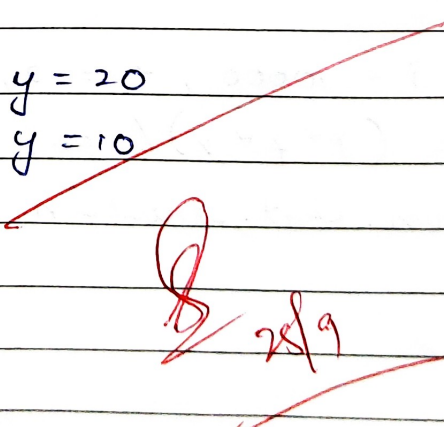
```
class swap
{
    public static void main (String a [])
    {
        int x = 10, y = 20, t;
        System.out.println ("Before swapping x = " + x + "
                                                    y = " + y);

        t = x;
        x = y;
        y = t;
        System.out.println ("After swapping x = " + x + ", y = " + y);
    }
}
```

Output:
Before swapping x = 10 y = 20
After swapping x = 20 y = 10

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